



# Methane to Markets Ministerial Meeting

15-17 November 2004  
Mayflower Hotel  
Washington, DC

## Preliminary Agenda

Monday, 15 November 2004

**07:00 – 09:00 Registration and Continental Breakfast**

### **Public-Private Dialogue on Methane Recovery and Use Opportunities and Issues**

**09:00 – 09:30 Opening Plenary**

Welcoming Remarks  
Jim Connaughton, Chairman, White House Council on Environmental Quality

Vision for the Methane to Market Partnership  
Steve Johnson, Deputy Administrator, US Environmental Protection Agency

Development of Sustainable Markets for Methane Gas  
Andrew Natsios, Administrator, US Agency for International Development

**09:30 – 10:30 Science, Market and Policy Perspectives**

Methane Science and Policy  
Henry D. Jacoby, Co-Director, Joint Program on the Science and Policy of Global Change  
Massachusetts Institute of Technology

Global Energy Markets  
Marianne Haug, Director  
Office of Energy Technology and R&D  
International Energy Agency

Overview of Methane Recovery and Use Opportunities  
Dina Kruger, Director, Climate Change Division, US Environmental Protection Agency

**10:30 – 11:00 Break**

**11:00 – 12:30 Technical Breakout Sessions (See next page for details)**

**12:30 – 14:00 Lunch**

Jonathan Pershing, Director Climate, Energy and Pollution Program  
World Resource Institute

**14:00 – 16:00 Terms of Reference Discussions (closed to public)**

**14:00 – 16:00 Technical Breakout Sessions (See page 3 for details)**

**17:00 – 18:30 General Reception**

## Technical Break Out Session - Monday Morning, 15 November 2004

Track 1 – Coal Mine Methane		Track 2 – Landfill Methane		Track 3 - Oil and Gas	
Start Time	Topic	Start Time	Topic	Start Time	Topic
11:00	<b>Recent Trends in Recovery and Use of Coal Mine Methane: A Global Perspective</b> Ray Pilcher, Raven Ridge Resources	<b>Opportunities for Global Landfill Methane Capture and Use Session</b> Moderator: John Skinner, CEO, Solid Waste Association of North America		11:00	<b>Overview of Oil and Gas Sector Methane Emissions and Potential Projects</b> Roger Fernandez, US EPA, GasSTAR Program
		11:00	<b>Evolution of Global Solid Waste Management</b> N.C. Vasuki, President, International Solid Waste Association		
11:25	<b>Australia – Developing a Diverse CMM Industry including VAM Utilization</b> Cliff Mallet, CSIRO	11:20	<b>Overview of Landfill Methane Capture and Use Technology</b> Greg Vogt, Chair, International Solid Waste Association Working Group on Sanitary Landfill and Vice President, SCS Engineers	11:20	<b>Panel Discussion: Financing and Market Challenges and Opportunities</b> Chair: Gordon Weynand, USAID  Panel Members:  Sascha Djumena, World Bank, Oil and Gas Policy Division  Forrest Metz, Overseas Private Investment Corporation  Craig O'Connor, Export-Import Bank, US  John Palmisano, Emissions Marketing Association  Veronique Bishop, Carbon Finance Business Unit
11:50	<b>Opportunities and Barriers for CMM Development: A Perspective from Developing Countries and Transition Economies</b> Huang Shengchu, President of the China Coal Information Institute and National Institute of Occupational Safety and Health	11:50	<b>US Perspectives on Global Opportunities for Landfill Methane Capture and Use</b> Brian Guzzone, US EPA, Landfill Methane Outreach Program and Alexandria Panehal, US Agency for International Development		
	Oleg Tailakov, President, Coal and Methane Research Center (Ugletmetan) – Russia	12:00	<b>Developing Country Perspective on Landfill Gas Recovery and Use Opportunities</b> Sandra Cointreau, Solid Waste Management Advisor, The World Bank		
12:20	Questions and Answers	12:20	Questions and Answers		
12:30	LUNCH				

## Technical Break Out Session - Monday Afternoon, 15 November 2004

Track 1 - Coal		Track 2 - Landfill		Track 3 - Oil and Gas	
Start Time	Topic	Start Time	Topic	Start Time	Topic
14:00	<b>Upstream: Design and Operation of Mine Degasification Systems and Integration with Mining Operations</b> Mario Alberto Santillan Gonzales, MIMOSA, Mexico	14:00	<b>Waste Management Industry Perspective on Developing Landfill Methane Recovery Projects Internationally</b> Gary Crawford, Vice President, Environment/Quality, Onyx	14:00	<b>Cutting Edge Technology to Detect and Measure Methane Emissions</b> Melanie Kinderdine, Gas Technology Institute
14:25	<b>Downstream: Technical and Economic Potential for Use of Coal Mine and Abandoned Mine Methane</b> Petro Sporer, Managing Director, G.A.S. Energietechnologie GmbH	14:20	<b>Barriers and Opportunities for Landfill Methane Capture and Use</b> Bob Couth, Technical Manager Enviros Consulting, UK	14:20	<b>Methane Recovery and Use Opportunities for Natural Gas Transmission</b> Dave Picard, Engineer, Clearstone Engineering, Canada
14:50	Questions and Answers	14:40	Questions and Answers	14:40	<b>Production and Processing: Shell's International Activities to Reduce Methane Emissions</b> Rob Ryan, Regional Corporate Support Director, Shell EP Americas
15:00	<b>Panel Discussion: Financing Opportunities and Challenges for Methane Projects</b>  Moderator: Karl Schultz, Energy Edge, UK Panel Members: Matt Inamuro, World Bank Carbon Finance Team and Mitsui & Co. Ltd, Japan John Palmisano, Energy & Communications Solutions LLC Charlotte Griffiths, Industrial Restructuring, Energy and Enterprise Development Division, UN Economic Commission for Europe	14:50	<b>Panel Discussion: Project Case Studies and Lessons Learned</b>  Panel Topics and Members: <i>World Bank LFG activities in the Latin American Region</i> Horacio Terraza, Environmental Specialist The World Bank <i>Landfill Methane Utilization Opportunities in Ukraine</i> Georgiy Geletukha, Director, Scientific Engineering Centre "Biomass" <i>Analysis of Landfill Methane Capture and Use Opportunities in Asia</i> Augustine Koh, Director - Environment Department, Asian Productivity Organization	15:00	<b>Production and Processing: BP's International Activities to Reduce Methane Emissions</b> Reid Smith, BP
				15:20	<b>Transmission and Distribution: Ukrainian Gas Transmission Compressor Station Methane Emissions Reduction Programs</b> Olena Mandra and Natalie Novokorska, Cherkasytransgaz
				15:40	<b>Natural Gas Transmission: TransCanada's Emission Reduction Practices and Experiences in Canada and Russia</b> James Cormack, Advisor, Climate Change
16:00	ADJOURN				

## **Tuesday, 16 November 2004**

### **Ministerial Program**

**07:30 – 09:00 Continental Breakfast**

**09:00 – 09:15 Opening of Ministerial Meeting – Welcoming Remarks**

Paula J. Dobriansky  
Under Secretary, Global Affairs, US Department of State

Kyle E. McSarrow  
Deputy Secretary, US Department of Energy

**09:15 – 09:30 Keynote Address**

Michael O. Leavitt  
Administrator, US Environmental Protection Agency

**09:30 – 10:30 Summary and Key Outcomes from Public-Private Dialogue on 15 November**

**10:30 – 11:00 Break**

**11:00 – 12:00 Ministerial Statements**

Argentina	India
Australia	Italy
Brazil	Japan
China	Mexico
Colombia	

**12:00 – 14:00 Lunch**

**14:00 – 14:30 Ministerial Statements**

Nigeria	Ukraine
Poland	United Kingdom
Russia	United States

**14:30 – 15:45 Cross-cutting Issues for Project Development**

Project Finance  
Ken Newcombe, World Bank Prototype Carbon Fund

Barriers to Project Development  
Petro Sporer, G.A.S. Energietechnologie GmbH

Private Sector Involvement  
Barry Worthington, Executive Director, US Energy Association

**15:45 – 16:00 Break**

**16:00 – 16:30 Terms of Reference Signing Ceremony**

**16:30 – 18:30 General Reception**

**19:30 Ministerial Dinner**

## **Wednesday, 17 November 2004**

### **Committee Meetings**

07:00 – 08:00 **Continental Breakfast**

08:00 – 10:00 **Meeting of Steering Committee** (closed to non-government personnel)  
Technical Subcommittee Members and Government Delegates should plan to attend

10:00 – 10:15 **Break**

10:15 – 12:00 **Steering Committee Meeting** (closed to non-government personnel)

**Coal Subcommittee Meeting** (open to all)

**Landfill Subcommittee Meeting** (open to all)

**Oil and Gas Subcommittee Meeting** (open to all)

12:00 – 13:00 **Lunch**

13:00 – 15:00 **Meeting of Steering Committee** (closed to non-government personnel)

**Coal Subcommittee Meeting** (open to all)

**Landfill Subcommittee Meeting** (open to all)

**Oil and Gas Subcommittee Meeting** (open to all)

15:00 – 16:00 **Closing Plenary**  
Steering Committee Chairs and Technical Subcommittee Chairs present  
summaries and next steps

16:00 **Adjourn**